IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	,
LIZARDI) Art Unit: Unassigned
Application No. Unassigned Continuation of 09/911,226)) Examiner: Unassigned
Filing Date: November 3, 2003)) Confirmation No.: Unassigned
For: MULTIPLE DISPLACEMENT AMPLIFICATION))

INFORMATION DISCLOSURE STATEMENT

Mail Stop PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C. Customer Number 23859

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying Form PTO 1449 is a listing of documents known to Applicants and/or their attorneys. All of the documents cited were cited by or submitted to the Patent Office in Application Nos. 09/911,226, filed July 23, 2001, 09/397,915, filed September 17, 1999, or 08/946,732, filed October 8, 1997, to which the present application claims priority. Pursuant to 37 C.F.R. § 1.98(d), copies of these documents are not enclosed.

In accordance with the provisions of M.P.E.P. § 2001.06(b) and 37 C.F.R. § 1.98(b)(3), Applicants would like to bring to the attention of the Examiner the existence of the co-pending patent application(s) identified below, which were filed in the United States Patent and Trademark Office:

194378_2

ATTORNEY DOCKET NO. 25006.0003U4 Application No. Unassigned

	Application No.	Date Filed	Inventors	Attorney Docket No.
1.	09/841,513	April 24, 2001	Lizardi	13172.0013U4
2.	09/855,170	May 14, 2001	Lizardi	25006.0006U3
3.	10/038,718	January 2, 2002	Lizardi	25006.0001U5

All of the above-referenced applications were submitted to the Patent Office in priority Application No. 09/911,226, filed July 23, 2001. Pursuant to 37 C.F.R. § 1.98(d), a copy of the application specification(s) is not enclosed.

Consideration of the cited documents and making the same of record in the prosecution of the above-referenced application are respectfully requested.

No fee is believed due; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.

Robert A. Hodges

Registration No. 41,074

NEEDLE & ROSENBERG, P.C. Customer Number 23859 (678) 420-9300 (678) 420-9301 (fax)

CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as Express Mail, Label No. EL 992 076 665 US, in an envelope addressed to: MAIL STOP PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Jeffrey S. Teems

Date

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	B1	5,854,033	Dec. 29, 1998	Lizardi			
	B2	6,143,495	Nov. 7, 2000	Lizardi et al.			
	В3	6,183,960	Feb. 6, 2001	Lizardi			
.*	B4	6,210,884	Apr. 3, 2001	Lizardi			·
	B5	6,255,082	Jul. 3, 2001	Lizardi			
	B6	6,329,150	Dec. 11, 2001	Lizardi et al.			
	В7	6,344,329	Feb. 5, 2002	Lizardi			
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		*4,994,373	Stavrianopoulos, et al	02-19-1991	
			Hartley	08-27-1991	
		5,043,272	Blanco, et al.	03-19-1991	
		5,001,050	Blanco, et al.	03-30-1993	
		5,198,543		07-12-1994	
		*5,328,824	Ward, et al.	08-20-1996	
		*5,547,843	Studier, et al.	03-25-1997	
		5,614,390	McCaslin, et al.	05-13-1997	
		5,629,179	Mierendorf, et al.	03-13-1337	
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		* EP	0 128 332	A2	Enzo Biochem, Inc.	12-19-1984		
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Acids Res. 19(5):1156 (1991).

Research 290(2):217-230 (1993).

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	BOEHMER, et al., "Herpes Simplex Virus Type 1 1CP8: Helix-Destabilizing Properties," <i>J. Virology</i> 67(2):711-715 (1993). BROWNSTEIN, et al., "Modulation of Non-Templated Nucleotide Addition by <i>Taq</i> DNA Polymerase: Primer (1996).										
	BROWNSTEIN, et al., Modulation of Not Temperature 20(6):1004-1010 (1996). Modifications that Facilitate Genotyping, " Biotechniques 20(6):1004-1010 (1996). CHATTERJEE, et al., "Cloning and overexpression of the gene encoding bacteriophage T5 DNA polymerase," Gene 97(1):13-19 (1991). CHEUNG, et al., "Whole genome amplification using a degenerate oligonucleotide primer allows hundreds of CHEUNG, et al., "Whole genome amplification using a degenerate oligonucleotide primer allows hundreds of CHEUNG, et al., "Whole genome amplification using a degenerate oligonucleotide primer allows hundreds of CHEUNG, et al., "Whole genome amplification using a degenerate oligonucleotide primer allows hundreds of CHEUNG, et al., "Whole genome amplification using a degenerate oligonucleotide primer allows hundreds of checken and the control of the gene encoding bacteriophage T5 DNA polymerase, "Gene 97(1):13-19 (1991).										
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	-	HOLT	ON, et al.	.,."A si	mple and efficient r	method for direct cloning of	PCR products usi	ng ddT-tailed vecto	rs," <i>Nuc</i>	1.	

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HOY, et al., "Bromodeoxyuridine/DNA analysis of replication in CHO cells after exposure to UV light," Mutation

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·		JIANG, et al., "An efficient method for generation and subcloning of tandemly repeated DNA sequences with defined length, orientation and spacing," <i>Nuc. Acids Res.</i> 24(16):3278-3279 (1996).										
	-	JUNG, et al., "Bacteriophage PRD1 DNA polymerase: Evolution of DNA polymerases," <i>Proc. Natl. Acad. Sci. USA</i> 84(23):8287-8291 (1987).										
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		KERKHOF, "A Comparison of Substrates for Quantifying the Signal from a Nonradiolabeled DNA Probe," <i>Anal. Biochem.</i> 205(2):359-364 (1992).										
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		LANGER, et al., "Enzymatic synthesis of biotin-labeled polyhocieotidas."	
		Acad. Sci. USA 78(11):6633-6637 (1981).	
		LESNICK, et al., "Relative Thermodynamic Stability of DNA, RNA, and DNA:RNA Hybrid Duplexes: Relationship with	
		LESNICK, et al., "Relative Thermodynamic Stability of Stability (1995). Base Composition and Structure," <i>Biochemistry</i> 34:10807-10815 (1995).	
		Base Composition and Structure, Biochemistry 5 11155	
		LOCKHART, et al., "Expression monitoring by hybridization to high-density oligonucleotide arrays," Nature	
		LOCKHART, et al., "expression montaining by the control of the con	
	1	Biotechnology 14(13):1675-1680 (1996).	
	ļ	MATSUMOTO, et al., "Primary structure of bacteriophage M2 DNA polymerase: conversed segments within protein-	
		oriming DNA polymerases and DNA polymerases 1 of Escherichia and LTP handing site) " Gene 84(2):247-255 (1989).	
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		McGRAW, et al., "Sequence-Dependent Significant Significant Set of Twenty-Mers," Biotechniques 8(6):674-678 (1990).	
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	↓	NARANG, et al., "Chemical Synthesis of Deoxyoligonucleotides by the Modified Triester Method," Methods in	
į		Enzymology Vol. 65, Chap. 61, pp. 610-620 (Glossifian, Cd.) (Hosekinstone)	
	<u> </u>	NIELSEN, et al., "Peptide Nucleic Acid (PNA). A DNA Mimic with a Peptide Backbone," Bioconjug. Chem. 5(1):3-7	
1		(1994).	
	<u> </u>	PARKER, et al., "Targeted Gene Walking Polymerase Chain Reaction," Nucleic Acids Research 19(11): 3055-3060	
	1		
	1	(1991).	
	<u> </u>	PEASE, et al., "Light-generated oligonucleotide arrays for rapid DNA sequence analysis," Proc. Natl. Acad. Sci. USA	
1		91(11):5022-5026 (1994).	
		9 ([1]).5022-5026 (1.6).	
	 	RIGLER, et al., "Differences in the Mechanism of Stimulation of T7 DNA Polymerase by Two Binding Modes in	
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		Dogenerate Pr	imer." <i>Ge</i>	nomics (3(3):71	eotide-Primed PCR: Gene 8-725 (1992).				
 		Accessory Sul	nunit <i>In V</i>	itro," J. Virology	between Epstein-Barr Vii 67(12):7648-7653 (199				ļ
	-	1/10051			es that Fluoresce upon H				
· · · · ·	-	Co22-es Nucle	eic Acid (Complexes, block	omain of T4 Gene 32 Pro hemistry 35:14395-1440	•			
		WALKER, et a Res. 20(7):16	I., "Stran 91-1696	d Displacement A (1992).	amplification-an Isotherm	al, <i>in vitro</i> DNA am	plitication technique,	NUC. ACIOS	

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	 	WALKER, et a	al., "[Detection of Mycobac	Chemistry 42:1604-1608 (1996	6).							
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	 	ZHANG, et al	i., "V	/hole genome amplific	cation from a single cell. Implies								
		Sci. USA 891	(13):	847-5851 (1992).				10, 007, 07	. 	4			
					zation of PRD1 DNA polymeras	e," <i>Biochim</i> . I	Biophys. Acta 1219	(2):267-276	'				
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